

IN THE CLAIMS:

Please amend claims 35 and 37, cancel claims 1-32 without prejudice to the filing of divisional applications and add new claims 41-52 as follows:

1-32. (Canceled)

33. (Original) A method of making ink jet recording media comprising the steps of

providing coating composition makedown water,

heating the water,

adding boric acid to the heated water with mixing until the boric acid is substantially completely dissolved in the water,

adding polyvinyl alcohol to the boric acid containing heated water and continuing to heat the water until the polyvinyl alcohol is substantially completely dissolved in the water and a reaction has taken place between the polyvinyl alcohol and the boric acid such that the molecule bonds in the reaction product are principally polyvinyl alcohol-boric acid-polyvinyl alcohol bonds,

providing a dimensionally stable absorbent paper substrate,

applying a coating of the composition onto the substrate and forming on the substrate a three-dimensional porous screen or sieve comprised of said reaction product.

34. (Original) A method as set forth in Claim 33 including the step of adding an immobilizer to the composition before applying the composition to the substrate.

35. (Currently Amended) A method as set forth in Claim 33 wherein the substrate has a basis weight of ~~from about~~ at least 30 ~~to about 60~~ pounds per 3,000 square feet.

36. (Original) A method as set forth in Claim 35 wherein the composition is applied to the substrate at a coat weight of from about 1.3 to about 2.7 pounds per 3,000 square feet.

37. (Currently Amended) A method as set forth in Claim 33 wherein said base sheet is a high gloss supercalendered paper having a basis weight in the order of about ~~90-80~~ to about 100 pounds per 3000 square feet.

38. (Currently Amended) A method as set forth in claim 33 wherein said base sheet is comprised of one or more of chemical, mechanical and groundwood pulps; size; and one or more wet strength additives.

39. (Original) A method as set forth in Claim 38 wherein said base sheet is manufactured from a furnish comprised of about 50 parts hardwood chemical pulp, about 50 parts softwood chemical pulp, about 25 parts paper machine broke, from about 0.25 to about 2 percent rosin size and from about 0.25 to about 1.5% of one or more wet strength additives.

A¹ 40. (Original) A method as set forth in Claim 39 wherein the furnish includes in the order of about 0.25 percent cationic agent.

41. (New) A method as set forth in Claim 33 further comprising adding an ink setting agent to the coating composition before applying the composition to the substrate.

A² 42. (New) A method of making ink jet recording media comprising the steps of:
providing coating composition makedown water,

heating the water,
adding boric acid to the heated water,
mixing until the boric acid is substantially completely dissolved in the water,
adding polyvinyl alcohol to the boric acid containing heated water,
continuing heating the water until the polyvinyl alcohol is substantially completely dissolved in the water and a reaction has taken place between the polyvinyl alcohol and the boric acid such that the molecule bonds in the reaction product are principally polyvinyl alcohol-boric acid-polyvinyl alcohol bonds,
adding an immobilizer,
providing a dimensionally stable absorbent substrate, and
applying a coating of the composition onto the substrate.

43. (New) A method as set forth in Claim 42 wherein said ink setting agent comprises a cationic or conductive polymer.

44. (New) A method as set forth in Claim 42 wherein said coating is comprised of from about 75 to about 96 parts by weight polyvinyl alcohol and from about 1 to about 6 parts by weight boric acid.

45. (New) A method as set forth in Claim 42 wherein the immobilizer is glyoxal-based.

46. (New) A method as set forth in Claim 42 wherein the makedown water comprises from about 75 to about 85 percent by weight of the composition, the boric acid comprises from about 0.5 to about 1.0 percent by weight of the composition, and the polyvinyl alcohol comprises from about 15 to about 24 percent by weight of the composition.

47. (New) A method as set forth in Claim 42 wherein the substrate has a basis weight of from about 30 pounds to about 150 pounds per 3000 square feet.

48. (New) A method as set forth in Claim 42 wherein said coating has a coat weight of from about 1.3 to about 2.7 pounds per 3,000 square feet.

49. (New) A method as set forth in claim 42 wherein said substrate is selected from the group of uncoated paper, coated paper, high gloss printing paper, groundwood paper, paper made from chemical pulp, paper containing wet strength additives, machine glazed paper, label paper, light weight publication grade paper, supercalendared paper, bond, photography paper, and envelope stock.

50. (New) Method of making ink jet recording media comprising the steps
of:

providing coating composition makedown water,
adding boric acid and polyvinyl alcohol to the water,
reacting the boric acid and polyvinyl alcohol to form polyvinyl alcohol-boric
acid-polyvinyl alcohol, bonds, and
applying the composition to an absorbent substrate.

51. (New) A product made from the method as set forth in Claim 33.

52. (New) A product made from the method as set forth in Claim 42.
